

Technology Planning: Writing It All Down

MOREnet Instructional
Technology Conference

Pre-Conference Session
October 22, 2006
1:15 to 4:15 p.m.

Contact Instructional Technology

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Agenda

1:15 – 1:30

Welcome and Intros

1:30 – 2:30

State Tech Planning

2002-06 Plan: Final Summary

2007-11 Plan: October Draft

2:30 – 2:45

Break

2:45 – 4:00

Local Tech Planning

4:00 – 4:15

Closing Comments

Session Overview

Why have a state technology plan

Missouri's history of state plans

- Snapshot of the 2007 to 2011 Missouri Education Technology Strategic Plan (METSP)

Why have local technology plans

Missouri's history of approving district plans

- The 2007 local tech plan approval requirements and process

State Tech Plan History

The Show-Me Technology Plan: Mapping a Brighter Future (1996)

- Created for Goals 2000: Educate America Act
- Created with the help of planning committees in 1995
 - “Points of Consideration” – to guide and facilitate state and local technology planning
 - Planning process
 - Technical standards
 - Training
 - Technical support and maintenance
 - Community partnerships
 - Administration
 - Budgeting
 - Recommendations versus goals and objectives
 - Appendix B: Using Technology in Missouri Schools – A Planning Guide (1994)

State Tech Plan History

Missouri Education Technology Plan (1997)

- Created for Technology Literacy Challenge Fund (TLCF) Act and guide local planning for state approval required by the E-rate Program
- Designed to bridge the 1996 plan and the Administration's four "Technology Pillars" – for the period of 1997 to 2002
 1. Students and teachers have access to modern computers
 2. Schools and classrooms are linked to the information superhighway
 3. Teachers are trained to help students learn through computers and information superhighway
 4. High-quality software and online resources are part of the curriculum
 5. Missouri will involve and collaborate with partners to improve the teaching and learning process with the use of technology
- Measurable objectives for state and local technology planning
- Census of Technology created to document baseline status and progress

State Tech Plan History

Missouri Education Technology Strategic Plan (2002)

- Created for No Child Left Behind Act (NCLB) and guide local planning as required for Title II.D Program: Enhancing Education through Technology
- Created with assistance from planning committees that met July 2000 through December 2001
 - Based on five TFAs – for the period of 2002 to 2006
 - Student learning (academic achievement and technology literacy skills)
 - Teacher preparation (professional development for curriculum integration and technology literacy skills)
 - Administration, data management, and communications
 - Resource distribution
 - Technical support
 - Measurable objectives for state and local technology planning
- Census of Technology revised to address new objectives and NCLB goals

State Tech Plan History

Missouri Education Technology Strategic Plan (2007)

- Created with assistance from planning committees that met May 2005 to present
 - Based on the same TFAs – for the period of 2007 to 2011
 - Student learning (academic achievement and technology literacy skills)
 - Teacher preparation (professional development for curriculum integration and technology literacy skills)
 - Administration, data management, and communications
 - Resource distribution
 - Technical support
 - Emphasizes state major implementation strategies versus establishing set district goals and objectives
- Census of Technology may need to be revised to address new plan (2008)

Lessons Learned Along Planning Trails

Different audiences have different needs

- Federal Dept. of Education (ED) wants measurable objectives that can be aggregated and help show impact of program funding
- DESE wants data to document growth and needs, and to indicate and ensure accountability
- District leaders/leading districts want to know where they stand and be recognized for their efforts

Five TFAs

- Student Learning
- Teacher Preparation
- Administration, Data Management, Communications
- Resource Distribution
- Technical Support

Student Learning Goal

- 2002 – 2006: Student learning (academic achievement and performance including technology literacy) will be improved through the use of education technologies
- 2007 – 2011: All Missouri students will engage in rigorous instruction driven by technology-enriched curricula to realize high levels of academic achievement and performance that fosters life-long learning

Teacher Preparation Goal

- 2002 – 2006: Teacher preparation and delivery of instruction (performance, including technology literacy) will be improved through the use of education technologies
- 2007 – 2011: All Missouri teachers will implement technology-enriched curricula, research-based instructional strategies, and effective integration of instructional technology systems to realize high levels of academic achievement

Administration, Data Management, and Communications

- 2002 – 2006: The teaching and learning process will be enhanced through the use of technology for administration, management, and communications
- 2007 – 2011: All Missouri districts will implement effective and efficient administrative, data management, and communication processes, through the use of technology, that support teaching and learning

Resource Distribution

- 2002 – 2006: School administrators, teachers, staff, and students will have equitable access to education technologies that promote student performance and academic achievement
- 2007 – 2011: All district personnel and students will have equitable access to technology resources that promote professional and academic performance

Technical Support

- 2002 – 2006: School administrators, teachers, staff, and students will have adequate technical support
- 2007 – 2011: All district personnel and students will have adequate technical support to effectively use instructional and administrative technologies

The 2007 – 2011 METSP...

- serves as a road map to assist districts in integrating technology in effective and efficient manners
- guides and facilitates local technology planning, funding, implementation, and evaluation
- encourages Missouri educators to share practices, which promote effective and efficient uses of technology

Analyzing Data

- Census of Technology (COT)
- Missouri School Improvement Program (MSIP)
- State and federal programs: State Educational Technology Directors Association (SETDA) and Educational Data Exchange Network (EDEN), etc.

District Tech Plan History

Using Technology in Missouri Schools – A Planning Guide (1994)

- Developed to help districts plan for effective use of the new Technology Acquisition Grants (TAG) established by Section 11 of the 1993 Outstanding Schools Act
- Detailed the typical process for developing, implementing, evaluating technology plans
 - Committee selection
 - Vision and mission statements
 - Current status and needs assessment data collection
 - Data analysis: strengths and weaknesses
 - Goals and objectives
 - Action plans
 - Implementation and evaluation
- Provided list of local plans available for review

District Tech Plan History

Technology Plan Review Score Guide (1997 to 2001)

- Schools informed of E-rate opportunity and requirement of state-approved technology plans
 - Provided copy of score guide, aligned with the 1994 Planning Guide
 - Department and Missouri Distance Learning Association (MoDLA) provided plan template, based on the Gideon district's technology plan

District Tech Plan History cont'd.

- Peer review first conducted in December 1997
 - Department provided training of review panel members, public and nonpublic school representatives
 - Reviewers scored eight key elements within five major categories
 - Technology committee
 - Vision and mission statements
 - Assess current technology and analyze data
 - Establish short-and long-range goals and objectives
 - Develop, implement, and evaluate action plan
 - Reviewer choices included Needs revision, Acceptable, Exemplary
 - Passing score was five of eight initially, then six of eight

District Tech Plan History

Technology Plan Review Score Guide (2002 – 2006)

- Department informed districts of requirements for technology plans established by the 2000 NCLB Act
 - Districts given a one-year waiver, could use funds to support technology plan development
 - “Creating a Technology Plan” website launched April 2001
 - 450 districts submitted new plans for approval 2002

District Tech Plan History cont'd.

- Department and planning committee developed new score guide, aligned to NCLB and the 2002 – 2006 METSP
 - Guide changed to address 20 score elements, with each scored on a scale of one to five
 - Technology committee (5 points)
 - Vision and mission (5 points)
 - Data used to create and evaluate plans (5 points)
 - Goals (5 points)
 - Data analysis, objectives based on strengths and weaknesses, and action plans (75 points – 5 points for each, per TFA)
 - Dissemination, monitoring, and evaluation (5 points)

District Tech Plan History cont'd.

- Reviewer choices
 - Needs revision (1 or 2 points)
 - Adequate (3 or 4 points)
 - Commendable (5 points)
- Passing score
 - 60 for E-rate approval
 - 75 (with no score below 3) for NCLB approval

Lessons Learned Reviewing District Plans

Vision and Leadership are key to planning success

- Most plans reviewed 1997 to 1999 were basically technology “wish lists” and only a few plans addressed teaching and learning
 - Technology plans should align with and support CSIP plans
 - Why planning committees (convened in 2000 to develop state plan and scoring guide) developed TFAs

Lessons Learned Reviewing District Plans cont'd.

- District leaders/leading districts aim for the “commendable” column; others look at the “adequate” – adequate plans suffered predictable problems
 - Lack of leadership and/or ownership
 - Written by single author and/or completed at the 11th hour
 - Template/example driven
 - Static document versus dynamic use
 - Ineffective action plans
 - Action plan doesn’t address all categories (e.g., funding)
 - Steps merely continue the status quo

Lessons Learned Reviewing District Plans cont'd.

- Having a 5-year MSIP cycle and 3-year E-rate cycle creates real problems
 - CSIP plan should be sufficient, but not so with conflicting cycles
- Difficult to serve different masters
 - MSIP/CSIP, NCLB, E-rate, METSP
 - Beacon Schools, Distressed Schools, Schools in Need of Improvement

Six-Step Process in Creating a Technology Plan

Getting Started

Disseminate, Monitor,
and Evaluate the Tech Plan

Technology Mission
Statement

Develop and Implement Action
Plans and Timelines

Current Technology
Raw Data and Analyze Data

Goals and Objectives

2007 State Approval Process and Requirements

- Two copies of paper district plan mailed to DESE
- Score guide consolidated to be shorter and require comments from scorers
- Electronic score guide
- Automatic addition of score
- Email score guide to DESE

Questions and Comments

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